

## SECTION VI.—BIBLIOGRAPHY.

## RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological and seismological work and studies:

**Abbot, Charles] Greeley.**

Arequipa pyrheliometry. Washington. 1916. 24 p. 24½ cm. (Smithsonian miscellaneous collections, v. 65, no. 9.) [Summarized in this issue of the REVIEW, p. 63.]

**Barbour, T.**

Some remarks upon Matthew's "Climate and evolution." With supplemental note by W. D. Matthew. New York. 1916. 15 p. 24½ cm. (Annals of the New York academy of sciences, v. 27, pp. 1-15.)

**Batchelor, L. D., & West, F. L.**

Variation in minimum temperatures due to the topography of a mountain valley in its relation to fruit growing. Logan, Utah. 1915. 27 p. 23 cm. (Utah agricultural experiment station. Bulletin no. 141.)

**Canada. Department of the interior. Irrigation branch.**

Report on the climatic and soil conditions in the Canadian Pacific railway company's irrigation project, western section (near Calgary, Alberta). Ottawa. 1915. 24 p. 24½ cm. (Irrigation series, bulletin no. 3.)

**Canada. Meteorological service.**

Upper air investigations in Canada. Part 1. Observations by registering balloons, by J. Patterson. Ottawa. 1915. 127 p. 25 cm. (M. S. 51.)

**Chile. Instituto central meteorológico y geofísico.**

Anuario meteorológico de Chile. Segunda parte (resúmenes). 1913. [In Spanish and German.] Santiago de Chile. 1915. vi, 134 p. plates. 37½ cm. (Publicaciones, no. 15.)

Valores horarios de elementos meteorológicos en Los Andes 1911 y 1912. [In Spanish and German.] Santiago de Chile. 1915. 3 p. l., 81 p. plates. 37½ cm. (Publicaciones, no. 16.)

Valores horarios de los elementos meteorológicos, temperatura del suelo y dispersión eléctrica en Santiago 1914. [In Spanish and German.] Santiago de Chile. 1915. 2 p. l., 91 p. plates. 37½ cm. (Publicaciones, no. 17.)

**Clark, A. L.**

Introduction to the study of cloud formations. (In Queen's quarterly, Queen's University. Kingston, Canada. v. 23, no. 3. Jan.-Mar., 1916. p. 248-260. plates.)

**Cocks, Gerhard H.**

Experimental studies of the effect of various atmospheric conditions upon the upper respiratory tract [conducted under the auspices of the New York State commission on ventilation]. 48 p. 23½ cm. (Read before the American laryngological, rhinological, and otological society, at the 21st annual meeting, Chicago, June, 1915.)

**Davos. Meteorologische Station.**

Jahres-Uebersicht der Beobachtungen, 1915. Davos. [1916.] 3 leaves. 30½ x 46 cm. (Anhang zu den vom Kurverein Davos herausgegebenen Monatswetterkarten.)

**Day, William H.**

Lightning; its nature, and the efficiency and methods of lightning protection. (In Journal, Royal astronomical society of Canada. Toronto. March, 1916. v. 10, p. 121-133.)

**Fetherston, J. T.**

Snow removal in New York City. (In Municipal engineers journal. New York. Nov., 1915. v. 1, p. 339-381.)

**Huntington, Ellsworth.**

A neglected factor in race development. p. 167-184. 23 cm. (Reprinted from the Journal of race development, v. 6, no. 2, October, 1915.) [Treats of climatic variations in relation to race development.]

Weather and civilization. 21 p. plates. (Reprinted from the Bulletin of the Geographical society of Philadelphia, v. 14, no. 1, January, 1916.)

**Klotz, Otto.**

Seismological tables. Ottawa. 1916. 2 p. l., 19-61 p. 2 pl. 29 cm. (Publications of the Dominion observatory, v. 3, no. 2.)

**Kimball, Herbert H.**

Daylight illumination, and the intensity and duration of twilight. 17 p. 23 cm. (Read at a meeting of the Pittsburgh section of the Illuminating engineering society, Cleveland, Ohio, Feb. 18, 1916.) [See this REVIEW, January, 1916, 44:12-13.]

**Lewis, Merwyn R.**

Solar halo of May 20, 1915. (In Proceedings, Delaware county institute of science. Media, Pa. 1916. v. 7, p. 49-66.)

**Marbitz, Heinz.**

Phänologische Beobachtungen in Pommern. Greifswald. 1914. p. 369-383. 22 cm. (S.-A. aus dem 14. Jahresbericht der Geographischen Gesellschaft zu Greifswald 1913/14.)

**Masciari-Genoese, F.**

Trattato di costruzioni antisismiche, preceduto da un corso di sismologia. Milano. 1915. xxviii, 1004 p. illus. plates. 24 cm.

**Norway. Meteorologiske institut.**

Veiledning 1. Meteorologiske iagttagelser 1. Kristiania. 1915. 47 p. tab. 23 cm.

**Palmer, George T.**

A new sampling apparatus for the determination of aerial dust. p. 54-55. 24½ cm. (Reprinted from American journal of public health, Boston, v. 6, no. 1.)

An outline of the activities of the New York State commission on ventilation for the year 1915. 18 p. 25 cm. (Presented at the annual meeting of the American society of heating and ventilating engineers, New York, Jan. 20, 1916.)

The part played by temperature in school-room ventilation. 8 p. 24½ cm. (Reprinted from School and society, v. 2, no. 28, July 10, 1915.)

**Philippine islands. Weather bureau.**

Annual report, 1914. Part 1-2. Manila. 1915. 140 p. 29½ cm.

**Saderra Masó, Miguel.**

Historia del Observatorio de Manila, 1865-1915. Manila. 1915. 210 p. plates. 27 cm.

**Shreve, Forrest.**

The vegetation of a desert mountain range as conditioned by climatic factors. Washington. 1915. 112 p. 36 pl. 25½ cm. (Carnegie institution of Washington. Publication no. 217.)

**Stonyhurst college observatory.**

Results of meteorological, magnetical, and seismological observations, 1915. Blackburn. 1916. xiii, 52 p. 18½ cm.

**U. S. Lighthouse service.**

The United States Lighthouse service, 1915. Washington. 1916. 94 p. 23 cm. [Fog signals, p. 40-46.]

## RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The subjoined titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of the meteorological contents of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

American society of civil engineers. Proceedings. New York. v. 42. March, 1916.

Binckley, George S., & Lee, Charles H. Suggested changes and extensions of the United States Weather bureau service in California. Discussion by Fred. H. Tibbetts. p. 379-382.

Duryea, Edwin, Jr., & Haehl, H. L. A study of the depth of annual evaporation from Lake Conchos, Mexico. Discussion by Charles W. Comstock. p. 383-402.

Eakin, H. M., & Hill, John W. Discussion on [the Progress report of the Special committee on] floods and flood prevention. p. 435-441.